ABSTRACT OF THE INVENTION

A fiber optic control system for controlling remotely located devices. The control system includes an illumination source for producing a light beam and a plurality of optical fibers. Each fiber is arranged to receive a respective portion of a light beam at a coupling end. A planar light switch, including a plurality of light attenuating pixels, is positioned between the illumination source and the optical fiber coupling ends. Each of the pixels of the planar light switch is electronically controllable for selectively coupling portions of the light beam to respective coupling ends of the optical fibers. A plurality of light activated circuits are optically coupled to a respective illumination ends of the optical fiber. The light activated circuits are responsive to the respective portion of the light beam radiated from the respective illumination ends for providing a control signal to a remotely located device.